CLAIMS

What is claimed is:

1. An apparatus for displaying time comprising:

a memory for storing a day sequence including time for the beginning
and ending of twilight and sunrise and sunset for each calendar day of the year for
various coordinate positions in a memory;

a receiver for receiving a current coordinate position in latitude and longitude, a current calendar day, and a current time;

a register operatively connected to said memory and said receiver for registering a current coordinate position in latitude and longitude, a current calendar day, and a current time; and

a display operatively connected to said register and said memory for presenting the current time on an analog clock face with pie-shaped sections for twilight.

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- 2. An apparatus for displaying time as set forth in claim 1 wherein said display further includes pie-shaped sections for day and night respectively.
- 3. An apparatus for displaying time as set forth in claim 1 wherein said display is a twelve hour analog clock.
 - 4. An apparatus for displaying time as set forth in claim 1 wherein said display is a twenty four hour analog clock.

- 5. An apparatus for displaying time as set forth in claim 1 wherein said receiver is a global positioning receiver.
- 6. An apparatus for displaying time as set forth in claim 1 wherein said receiver is a manual input device.
 - 7. A method for displaying time comprising:

storing a day sequence including times for the beginning and ending of twilight and sunrise and sunset for each calendar day of the year for various coordinate positions in a memory;

receiving a current coordinate position in latitude and longitude, a current calendar day, and a current time;

registering a current coordinate position in latitude and longitude, a current calendar day, and a current time;

registered current coordinate position and current calendar day; and

presenting the current time on a circular clock face with pie-shaped sections for twilight.

8. A method for displaying time as set forth in claim 1 wherein presenting the current time further includes pie-shaped sections for day and night respectively.

- 9. A method for displaying time as set forth in claim 1 further including repositioning the pie-shaped sections at predetermined times.
- 10. A method for displaying time as set forth in claim 3 further including
 repositioning the pie-shaped sections continuously.
 - 11. A method for displaying time as set forth in claim 3 wherein presenting the time on a circular clock face further includes a twelve hour clock.
- 10 12. A method for displaying time as set forth in claim 3 wherein presenting the time on a circular clock face further includes a twenty-four hour clock.
 - 13. A method for displaying time as set forth in claim 3 wherein the predetermined times are noon and midnight respectively.
 - 14. A method for displaying time as set forth in claim 3 wherein the predetermined time is midnight.
- 15. A method for displaying time as set forth in claim 3 wherein repositioning the pie shape sections further includes presenting pie-shaped sections for twilight and night and day corresponding to the successive twelve hours.

- 16. A method for displaying time as set forth in claim 3 wherein repositioning the pie-shaped sections further includes presenting pie-shaped sections for twilight and night and day corresponding to the successive twenty-four hours.
- 17. A method for displaying time as set forth in claim 1 wherein registering a current coordinate position in latitude and longitude, a corresponding current calendar day, and a current time is further defined as receiving a global positioning signal to determine the current calendar day, the current time, and the current coordinate position.

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- 18. A method for displaying time as set forth in claim 11 further including updating the time by receiving a global positioning signal at periodic intervals.
- 19. A method for displaying time as set forth in claim 1 wherein registering a current coordinate position in latitude and longitude, a current date and a current time is further defined as manually inputting the coordinate position in latitude and longitude, the current calendar date and the current time.
- 20. A method for displaying time as set forth in claim 1 wherein registering a current coordinate position in latitude and longitude, a current calendar day and a current corresponding time is further defined as manually inputting the coordinate position in latitude and longitude and receiving the corresponding calendar date and corresponding time from the atomic clock.

- 21. A method for displaying time as set forth in claim 1 further including displaying the current calendar date approximate the clock face.
- 22. A method for displaying time as set forth in claim 1 further including5 displaying the current time zone approximate the clock face.
 - 23. A method for displaying time as set forth in claim 1 further including displaying the current coordinate position approximate the clock face.
- 10 24. A method for displaying time as set forth in claim 1 further including displaying the time for the sunrise and sunset approximate the clock face.
 - 25. A method for displaying time as set forth in claim 1 further including displaying the time for twilight approximate the clock face.

26. A method for displaying time as set forth in claim 1 further including displaying the time digitally approximate the clock face.

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